

ABSTRACT

MAGNETIC HEAD HAVING THERMALLY ASSISTED RECORDING DEVICE, AND METHOD OF FABRICATION THEREOF

A magnetic head including a media heating device that is fabricated within the
5 magnetic head structure. The media heating device includes an electrically resistive
element that is fabricated above the first magnetic pole layer close to the ABS surface of
the head. A P1 pole pedestal is fabricated above the heating element. Electrical insulation
layers are fabricated beneath and above the heating element to prevent electrical shorting
to the P1 pole layer and the P1 pole pedestal that are disposed beneath and above the
10 heating element, respectively.